

# Peripheral Products for I<sup>2</sup>C-bus Interface

## GENERAL PURPOSE ICs

### LCD Drivers

PCF8566	96-segment LCD driver 1:1 – 1:4 Mux
PCF8568	LCD row driver for dot matrix displays
PCF8569	Column driver for dot matrix displays
PCF8576	160-segment LCD driver 1:1 – 1:4 Mux
PCF8577C	64-segment LCD driver 1:1 – 1:2 Mux
PCF8578/79	Row/column LCD dot-matrix driver; 1:8 – 1:32 Mux

### I/O Expanders

PCF8574/A	8-bit remote I/O port (I <sup>2</sup> C-bus to parallel converter)
PCD8584	8-bit parallel to I <sup>2</sup> C converter
SAA1064	4-digit LED driver
SAA1300	5-bit high-current driver

### Data Converters

PCF8591	4-channel, 8-bit Mux ADC + one DAC
TDA8442	Quad 6-bit DAC
TDA8444	Octal 6-bit DAC

### Memory

PCF8570/C	256-byte static RAM
PCF8571	128-byte static RAM
PCF8581	128-byte EEPROM
PC.8582	256-byte EEPROM
PCF8583	256-byte RAM/clock/calendar
PCF8594	512-byte EEPROM

### Clocks/Calendars

PCF8573	Clock/calendar
PCF8583	Clock/calendar/256-byte RAM

### 68000-Based CMOS Microcontrollers

68070	68000 CPU/MMU/UART/DMA/timer
93CXXX	UST/I <sup>2</sup> C/34k ROM/512 RAM

## 80C51-Based CMOS Microcontrollers\*

8XCL410	4k ROM/128 RAM, low power
8XC528	32k ROM/512 RAM, T2, WD
8XC552	256-byte RAM/8k ROM/ADC/UART/PWM
8XC652	256-byte RAM/8k ROM, UART
8XC654	256-byte RAM/16kROM, UART
8XC751	64-byte RAM/2k ROM
8XC752	64-byte RAM/2k ROM, ADC/PWM

## 8048 Instruction-Set Based CMOS Microcontrollers

PCF84C00	256-byte RAM/bond-out version for prototype development
PCF84C21	64-byte RAM/2k ROM
PCF84C41	128-byte RAM/2k ROM
PCF84C81	256-byte RAM/8k ROM
PCF84C85	256-byte RAM/8k ROM/ Extended I/O
PCF84C430	128-byte RAM/4k ROM/ 96-segment LCD driver

## MULTIMEDIA ICs

### Video/Radio/Audio

SAA5243	Enhanced Computer Controlled Teletext (ECCT) decoder
SAA5245	Enhanced Computer Controlled Teletext (USECCT) decoder
SAA7191	S-VHS digital multistandard decoder "square pixel"
SAA7192	Digital color space converter
SAA7199	Digital encoder
SAA9041	Digital video teletext (DVTB) processor
SAA9051	7-Bit digital video decoder
SAB3035/36/37	Digital tuning circuits for computer-controlled TV
SAF1135	Dataline 16 decoder for VCR

### TDA1551Q

2 × 22W Audio Power Amp

### TDA4670

Picture signal improvement circuit

### TDA4680

Video processor

### TDA6360

5 Band Equalizer

### TDA8415/17

Stereo/dual sound processor

### TDA8421

Audio processor with a loudspeaker channel and a headphone channel

### TDA8425

Audio processor with a loudspeaker channel only

### TDA8433

Deflection processor

### TDA8440

Video/audio switch

### TDA8442

Interface for color decoders

### TDA8443/A

YUV/RGB matrix switch

### TDA8461

PAL/NTSC color decoder and RGB processor

### TDA8466

PAL/NTSC color decoder and RGB processor

### TDA9150

Deflection processor

### TEA6100

FM/IF and digital tuning IC for computer-controlled radio

### TEA6300

Sound fader control and preamplifier/source selector for car radio

### TEA6310T

Sound fader control with tone and volume control for car radio

### TSA5511/12/14

PLL frequency synthesizer for TV

### TSA6057

PLL frequency synthesizer for radio

### Telecom

#### NE5750/51

Audio processor pair

### PCD3311/12

Tone generator (DTMF/modem/musical)

### PCD3341

Advanced 10 to 110-number repertory dialer with LCD control

### PCD3343

Microcontroller with 224-byte RAM/3k ROM

### PCD3348

Microcontroller with 256-byte RAM/8k ROM

### UMA1000T

Data processor for mobile telephones

### UMA1014T

1GHz frequency synthesizer for mobile telephones

### UMF1009

Frequency synthesizer

\* Also available with extended temperature ranges.

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